

## ABSTRACT OF THE DISCLOSURE

### **Kluyveromyces Strains Metabolizing Cellulosic and Hemicellulosic Materials**

- 5 This invention relates to the use of microorganisms for the generation of ethanol from  
lignocellulosic waste materials. Yeast strains of the genus *Kluyveromyces* which have the  
capability to ferment cellulose, hexose sugars to ethanol are provided. Also provided are  
methods for converting cellulose, hexoses, or mixed hydrolysates of hexoses to ethanol by  
fermentation with *Kluyveromyces* strains. The invention also provides methods to isolate  
10 yeast strains which metabolize cellulose, pentoses, or hemicelluloses from waste materials.